A2500-2

Paper Paperboard & Wood Pulp

MONTHLY STATISTICAL SUMMARY - Vol.68 No.9 SEPTEMBER 1990

PAPER AND PAPERBOARD PRODUCTION: NO CHANGE

Events in Kuwait have yet to show any significant impact on U.S. demand for paper and paperboard. Weekly data through the end of the third week in September indicate that the seasonally adjusted rate of production held close to its August rate.

Total paper and paperboard production has exceeded its year-ago levels since April 1990. January-August seasonally adjusted production was 78.0 million tons per year, 1.8% ahead of its comparable 1989 total.

Paper: Seasonally adjusted paper production spiked up in July as mills shifted shut-downs for maintenance, repair and vacations away from the traditional July period. Production moved back to trend in August and the eight-month 1990 unadjusted total was 3.0% ahead of its comparable 1989 level.

The various paper grades continue to follow the trends evident since the start of this year. Newsprint production, buoyed by the introduction of three new machines, was 9.3% over its year-ago level in the January-August 1990 period (see table on page 3 and chart on page 6), while shipments rose 10%. Total consumption of newsprint by publishers gained 1%, while inventories were at 41 days of supply, down 3 days from July and 1 day from August 1989.

Imports of newsprint (API basis) were only slightly below last year's totals, and exports declined. The gain was strong enough to push the new supply total (production plus imports less exports) up about 5%, indicating some growth in use of newsprint outside the newspaper market.

The printing-writing paper grades also contributed to the strength in total paper demand. New orders for the printing grades -- uncoated groundwood, coated and free sheet papers -- were 2 to 3% ahead of shipments, with free sheet papers showing a particularly large increase in the unfilled order backlog (see table page 3).

Note: The 1990 edition of the Statistics of Paper, Paper and Wood Pulp has been published and mailed to member companies. Copies are available to others at $325.00 each ($335.00 for overseas delivery) from the Economics Department, American Paper Institute, 260 Madison Avenue, New York, NY 10016.

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Data on coated papers point to strength in coated groundwood paper shipments even while magazine advertising pages held to a flat trend (see attached Data Sheet).

Tissue paper output has been moving up a bit faster than real disposable income (shown on the Data Sheet as a component of the paper demand index). Unbleached kraft paper production, however, is moving downward under the pressure of weakening demand for bags and sacks and rising import levels. Imports of these grades, largely from Canada, gained an estimated 15% in the first eight months of 1990, and are now equivalent to 11% of domestic production, compared to 9% one year ago.

Paperboard: The rate of paperboard production held steady at 39 million tons per year during the first 8 months of 1990, 0.5% above the 8-month 1989 total. Production for export offered a major support, gaining 15%, with the unbleached kraft grades up 16.2% and the bleached kraft grades 10.5%.

Absent these exports, production for domestic use was down 0.5%, with a small (0.2%) gain in containerboard for fiber boxes offset by a 3.1% decline in packaging boxboard and a 2% decline in boxboard for other uses.

The weakness in boxboard demand can be traced largely to folding boxboard, particularly the solid bleached and unbleached kraft grades. Production of recycled boxboard just about matched its year-ago total. Milk carton and food service board showed a small gain, mainly in the milk carton grades. The declines in production of boxboard for domestic use were partly offset by gains in boxboard for export (see table on page 3).

FIBROUS RAW MATERIALS

Although use of waste paper at paper and paperboard mills was up 6.1% from its year-ago level in the first 7 months of 1990, compared to a 1.6% increase in wood pulp, there was an uptick in total wood pulp consumption in July (see table on page 5 and chart on page 4), reflecting the comparable movement in total paper production.

Production of chemical paper grade market pulp moved ahead of its year-ago total in the first 6 months of this year, after trailing for most of the year. Shipments followed a similar pattern, even while inventories at pulp mills moved up sharply and consumers reduced their purchased wood pulp inventories.

The gain in shipments was centered on those to Western Europe, Latin America and the Asia/Africa/Oceania nations. Domestic users and Japan reduced their purchases of market pulp from U.S. mills.

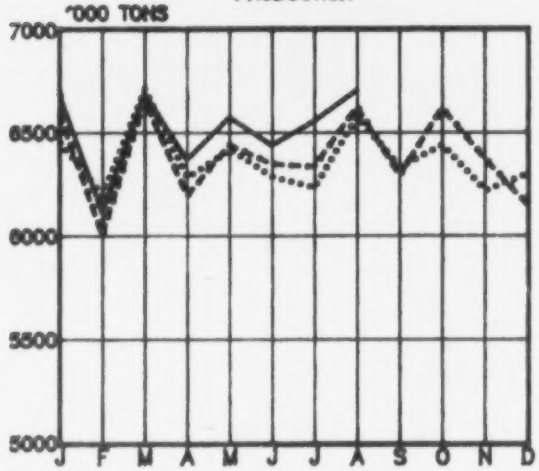
PAPER AND PAPERBOARD STATISTICS PRODUCTION, SHIPMENTS AND ORDERS (Thousands of Tons)	YEAR 1988	YEAR 1989	MAY 1990	JUNE 1990	JULY (R) 1990	AUGUST (P) 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
PAPER								
Newsprint – Production	5,982	6,088	545	539	560	577	6,552	9.3
– Shipments	5,969	6,079	553	536	560	576	6,562	10.0
Printing & Writing: Total Shipments	21,860	21,607	1,840	1,767	1,852	1,922	22,206	2.9
Groundwood Paper – Shipments	1,624	1,743	138	141	150	152	1,750	1.2
– New Orders	1,654	1,773	158	173	155	170	1,808	3.0
– Unfilled Orders	208	210	170	194	197	216	216	0.5
Coated Groundwood – Shipments	4,204	4,059	347	343	358	372	4,156	4.3
Coated Free Sheet – Shipments	3,155	3,157	273	259	268	289	3,223	2.9
Total Coated Papers – Shipments	7,359	7,215	620	601	625	661	7,379	3.7
– New Orders	7,412	7,284	614	648	639	670	7,528	3.7
– Unfilled Orders	751	824	761	788	800	809	809	-5.0
Unctd Free Sheet – Shipments	11,277	11,081	957	904	946	975	11,498	3.3
– New Orders	11,298	11,170	1,007	989	909	998	11,756	6.9
– Unfilled Orders	790	785	831	895	831	866	866	35.8
Thin Papers – Shipments	281	245	17	15	18	19	230	-9.4
Cotton Fiber Paper – Shipments	169	161	14	14	12	13	165	0.8
Bleached Bristols – Shipments	1,150	1,163	94	92	101	103	1,184	-0.2
Tissue Paper – Production	5,476	5,636	494	479	482	501	5,771	2.8
Total Packaging & Other Paper	5,047	4,925	406	394	387	402	4,691	-3.8
Unbl. Kraft Paper – Shipments	2,800	2,681	206	208	208	198	2,403	-9.8
Other Paper – Production	2,247	2,243	201	186	179	205	2,288	3.3
TOTAL PAPER PRODUCTION – UNADJUSTED	38,366	38,256	3,284	3,178	3,281	3,402	39,220	3.0
TOTAL PAPER PRODUCTION – SEAS ADJ			3,308	3,225	3,368	3,297	39,309	3.1
PAPERBOARD – PRODUCTION								
Containerboard	26,225	26,428	2,282	2,251	2 331	2,301	27,006	1.4
Cont'bd For Dom Use for Fibre Boxes	23,563	23,752	2,013	1,997	2,082	2,035	23,980	0.2
Total Linerboard	16,177	16,399	1,371	1,390	1,448	1,425	16,557	-0.1
Unbleached Kraft	15,601	15,833	1,333	1,354	1,411	1,376	16,106	0.8
Solid Bleached	170	178	9	10	10	12	132	-31.4
Recycled	407	388	30	26	27	37	319	-20.0
Corrugating Medium	7,351	7,339	640	607	633	6	7,415	0.8
Semichemical	5,528	5,554	483	450	477	468	5,553	-0.5
Recycled	1,823	1,785	158	156	156	141	1,862	4.9
Container Chip and Filler	35	14	1	0	1	0	8	-50.5
Other Containerboard for Dom Use	320	307	33	22	27	22	290	-8.0
Containerboard for Export	2,342	2,369	236	231	222	246	2,736	14.8
Boxboard	11,878	12,029	1,010	1,012	946	1,005	11,998	-1.5
Boxboard for Packaging for Dom Use	7,014	7,076	595	586	560	579	6,995	-3.1
Folding Boxboard	5,293	5,370	442	432	415	428	5,197	-5.0
Solid Bleached	2,017	1,980	159	156	151	143	1,851	-8.1
Unbleached Kraft	924	987	83	75	77	76	933	-9.9
Recycled	2,353	2,403	200	201	187	209	2,413	-0.3
Set-up Boxboard for Dom Use	279	288	27	25	20	27	313	5.6
Milk Carton & Food Service Dom Use	1,442	1,419	126	129	125	125	1,486	2.2
Other Boxboard for Domestic Use	4,075	4,089	341	346	321	341	4,041	-2.0
Boxboard for Export	789	863	75	80	65	84	982	15.5
Paperboard Production by Furnish	38,103	38,456	3,292	3,262	3,277	3,306	39,003	0.5
Unbleached Kraft	19,140	19,490	1,683	1,681	1,736	1,722	20,082	1.9
Semichemical	5,664	5,691	499	467	489	478	5,706	-0.2
Solid Bleached Kraft	4,511	4,521	388	376	355	382	4,450	-2.4
Recycled	8,788	8,754	742	738	697	744	8,766	-0.8
Paperboard Production for Export	3,132	3,232	312	311	287	329	3,698	15.0
Unbleached Kraft	2,296	2,383	235	229	222	249	2,754	16.2
Semichemical	136	138	16	17	12	9	153	8.7
Bleached Kraft	628	693	58	61	49	65	739	10.5
Recycled	72	38	5	4	4	6	52	40.0
TOTAL PAPERBOARD PRODUCTION – UNADJ	38,103	38,456	3,292	3,262	3,277	3,306	39,003	0.5
TOTAL PAPERBOARD PROD – SEAS ADJ			3,191	3,258	3,261	3,180	38,649	0.5
PAPER AND PAPERBOARD – UNADJ	76,469	76,713	6,576	6,440	6,559	6,708	78,223	1.8
PAPER AND PAPERBOARD – SEAS ADJ			6,500	6,483	6,628	6,478	77,958	1.8

R – Revised P – Preliminary Seas. Adj. – Seasonally Adjusted Unadj – Not Seasonally Adjusted

TOTAL PAPER AND PAPERBOARD

PRODUCTION

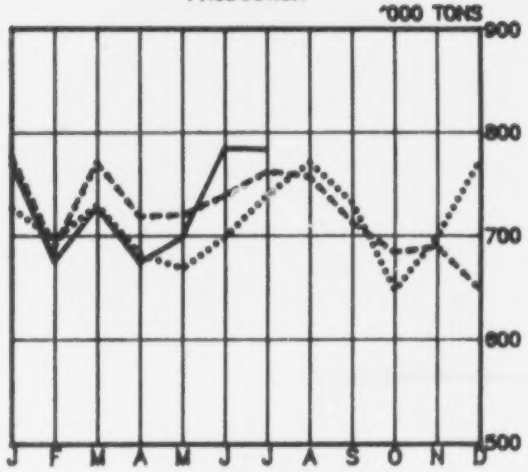
'000 TONS



MARKET WOOD PULP

PRODUCTION

'000 TONS



TOTAL PAPER

PRODUCTION

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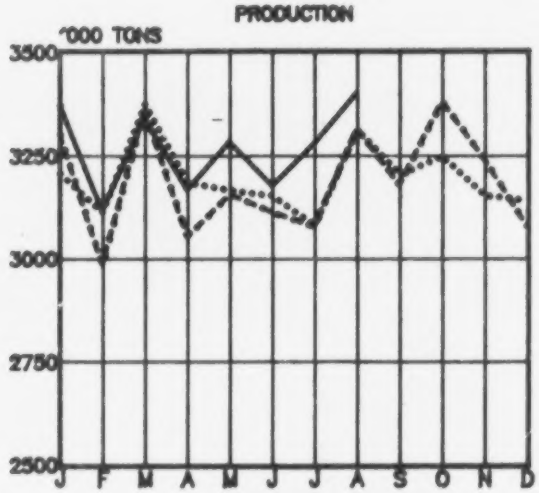

TOTAL PAPERBOARD

PRODUCTION

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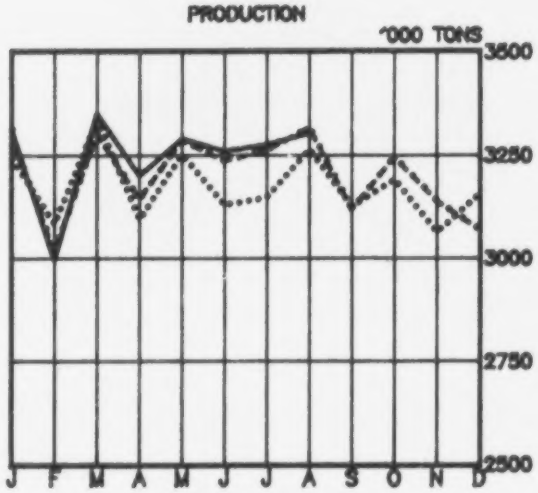
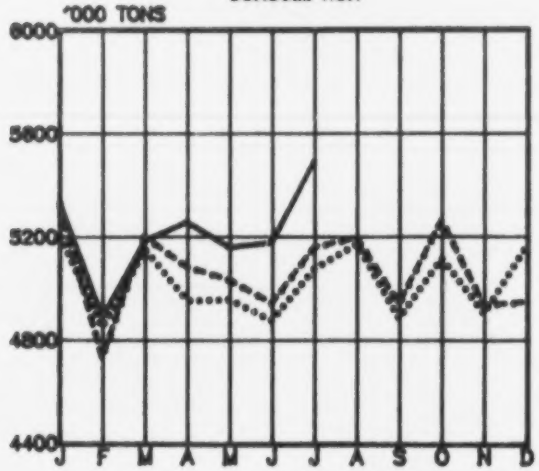


TOTAL WOOD PULP

CONSUMPTION

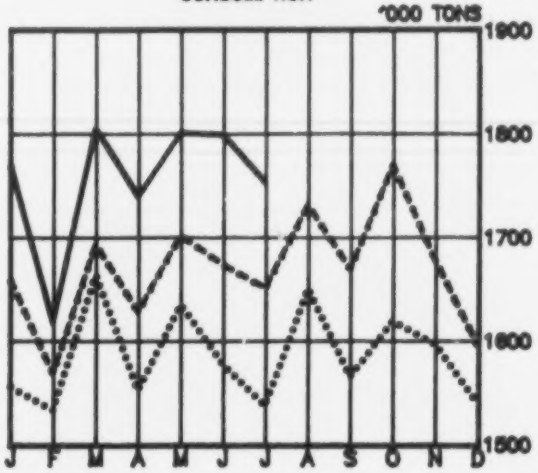
'000 TONS



TOTAL WASTE PAPER

CONSUMPTION

'000 TONS



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WOOD PULP STATISTICS (Thousands of Tons)			YEAR 1988	YEAR 1989	APR 1990	MAY 1990	JUNE (R) 1990	JULY (P) 1990	Annual Rate Y-T-D 1990	% Change From Same Period Last Year
TOTAL WOOD PULP										
Total Wood Pulp	Production		61,161	61,998	5,254	5,156	5,175	5,490	63,052	1.2
	Imports	A	5,038	5,005	418	428	364	470	5,050	2.4
	Exports		5,528	6,231	538	443	560	471	5,863	-8.0
	New Supply		60,671	60,772	5,134	5,141	4,978	5,489	62,296	2.4
Dissolving Pulp	Production		1,367	1,425	98	103	114	107	1,298	-8.7
	Imports		248	284	15	27	10	20	228	-18.3
	Exports		865	836	71	64	86	56	785	-5.4
	New Supply		751	873	42	66	38	71	742	-14.9
Paper Grades	Production		49,493	50,181	4,220	4,158	4,202	4,457	51,051	1.0
Chemical Pulp	Imports	A	4,419	4,370	371	368	328	421	4,459	2.2
	Exports		4,612	5,325	460	377	469	412	5,027	-8.0
	New Supply		49,300	49,226	4,131	4,150	4,060	4,466	50,483	2.1
Groundwood and	Production		5,943	6,029	540	522	519	555	6,346	7.2
Thermo-Mech	Imports	A	371	351	31	32	26	29	362	24.3
	Exports		51	70	8	2	5	3	51	-33.9
	New Supply		6,263	6,309	563	552	540	581	6,657	8.5
Semi-Chemical	Production		4,358	4,363	397	373	341	371	4,357	-0.6
	Imports									
	Exports									
	New Supply		4,358	4,363	397	373	341	371	4,357	-0.6
MARKET WOOD PULP										
Total Market	Production		8,565	8,664	674	698	784	783	8,784	-1.0
Wood Pulp	Imports		3,557	3,539	281	274	262	284	3,308	-7.7
	Exports		5,071	5,309	446	422	564	451	5,399	-0.6
	New Supply		7,051	6,893	509	550	482	616	6,693	-4.6
Dissolving Pulp	Production		1,365	1,422	97	103	113	107	1,297	-8.6
	Imports		206	210	8	25	7	16	168	-16.7
	Exports		798	821	59	60	90	61	791	-1.3
	New Supply		774	810	47	67	31	62	675	-17.7
Paper Grades	Production		7,200	7,242	577	595	669	675	7,482	0.4
Chemical Pulp	Imports		3,126	3,072	254	231	231	245	2,895	-6.8
	Exports		4,273	4,489	387	362	474	390	4,609	-0.5
	New Supply		6,052	5,825	444	464	426	530	5,768	-2.6
Groundwood Pulp	Production		0	(0)	0	0	2	2	0	0.0
and All Other	Imports	RS	231	258	19	18	23	23	245	-10.4
	Exports		0	(0)	0	0	0	(0)	0	0.0
	New Supply		231	258	19	18	24	24	250	-8.6

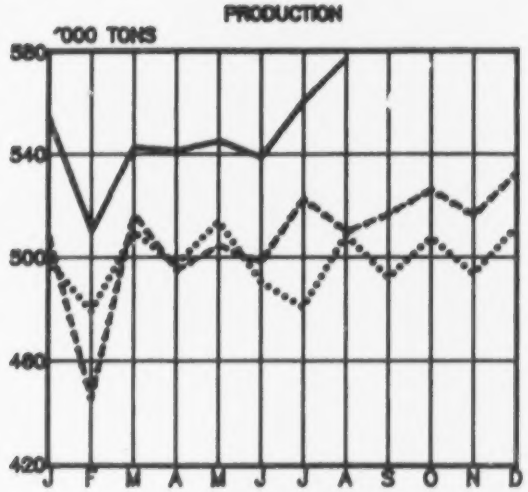
SOURCES: Total Wood Pulp Production & Market Wood Pulp Production, Imports & Exports - Pulp Division, Pulp, Materials and Technology Group, API. Total Wood Pulp Imports & Exports - Department of Commerce.
NOTE: A - API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data. RS - Revised Series (see Technical Note Page 12)

FIBROUS RAW MATERIALS (Thousands of tons)	YEAR 1988	YEAR 1989	APR 1990	MAY 1990	JUNE (R) 1990	JULY (P) 1990	Annual Rate 1990	% Change From Same Period Last Year
CONSUMPTION AT PAPER & PAPERBOARD MILLS								
Total	79,315	80,737	6,951	6,910	6,723	7,118	82,782	2.7
Total Wood Pulp	60,294	60,727	5,212	5,110	4,925	5,366	61,733	1.6
Waste Paper	19,021	20,010	1,739	1,800	1,798	1,752	21,050	6.1
INVENTORIES								
Chemical Paper Grade Market Pulp								
Producers' Own-Use Inventories	172	193	196	184	214	209	209	9.4
Producers' Market Inventories	261	342	455	451	438	521	521	62.8
Consumers' Purchased Inventories #	622	519	431	437	485	432	432	-24.6
Waste Paper at Paper & Bd. Mills	1,044	1,085	1,007	1,017	1,031	1,043	1,043	0.0
Days of Supply at Pulp Mills of								
Chemical Paper Grade Mkt Pulp	14	19	22	22	21	25	25	56.3

SOURCES: Wood Pulp Data, Pulp Division, Pulp, Materials and Technology Group, API. Waste Paper Data, Paper Recycling Committee, API.
Includes all grades of wood pulp
P - Preliminary; R - Revised; (0) - Indicates zero to five-hundred short tons

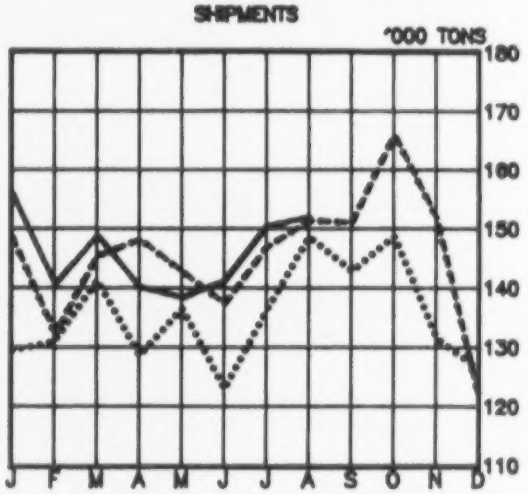
NEWSPRINT

PRODUCTION



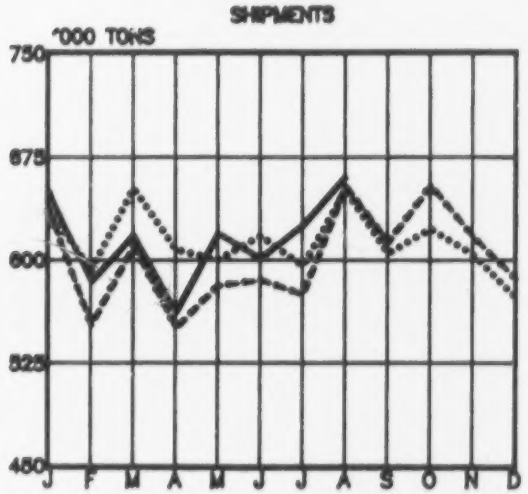
GROUNDWOOD PAPER, UNCOATED

SHIPMENTS



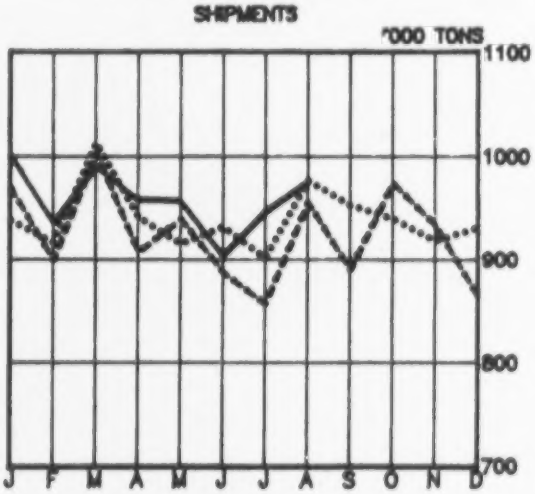
COATED PAPER

SHIPMENTS



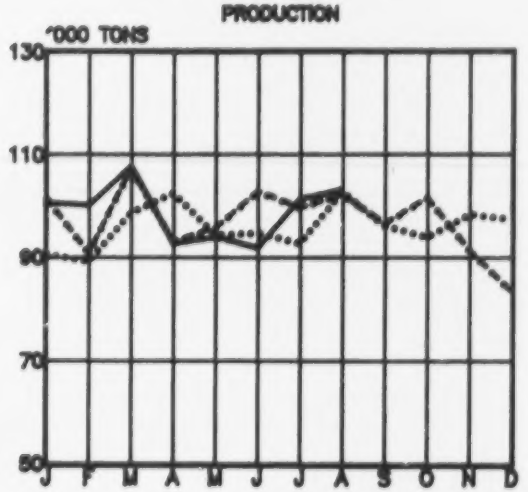
UNCOATED FREE SHEET PAPERS

SHIPMENTS



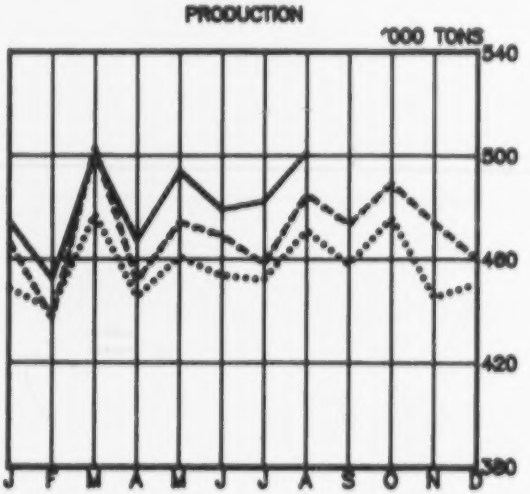
BLEACHED BRISTOLS

PRODUCTION



TISSUE PAPER

PRODUCTION



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FIBROUS RAW MATERIALS (Thousands of Standard (128 Cu. ft.) Cord	YEAR 1988	YEAR 1989	APRIL 1990	MAY 1990	JUNE 1990	JULY 1990	ANNUAL RATE Y-T-D 1990	% CHANGE FROM SAME PD LAST YEAR
PULPWOOD								
Total U.S. - Total Receipts	96,537	99,279	8,136	8,014	8,008	8,395	99,033	1.8
- Total Consumpt	96,497	98,414	8,260	8,113	8,042	8,467	99,230	0.8
- Residues *	33,186	34,539	3,063	2,998	2,886	2,992	36,091	4.2
- Inventories	4,888	5,462	5,209	5,177	5,167	5,106	5,106	21.8
So. Atlantic - Total Receipts	31,582	31,962	2,799	2,862	2,844	2,866	32,765	3.2
- Total Consumpt	31,667	32,239	2,783	2,883	2,885	2,728	32,844	0.9
- Residues *	9,897	9,961	921	980	903	966	11,119	12.3
- Inventories	1,200	936	1,048	1,077	1,082	1,089	1,089	34.3
Northeast - Total Receipts	7,187	7,242	526	610	601	628	7,186	0.1
- Total Consumpt	7,216	7,072	648	536	603	614	7,286	1.2
- Residues *	1,664	1,676	126	120	129	117	1,481	-7.9
- Inventories	572	622	470	413	378	371	371	-16.4
South Central - Total Receipts	33,751	35,840	3,091	3,012	2,933	3,179	36,569	6.8
- Total Consumpt	33,648	35,791	2,927	2,986	2,908	3,193	36,314	2.9
- Residues *	9,890	10,539	998	1,015	951	982	11,467	12.5
- Inventories	1,180	1,336	1,223	1,184	1,192	1,228	1,228	96.9
North Central - Total Receipts	6,865	7,020	489	568	602	599	7,061	2.7
- Total Consumpt	6,929	6,963	596	606	579	590	7,149	2.1
- Residues *	1,334	1,422	118	116	106	106	1,317	-4.5
- Inventories	839	938	891	849	877	889	889	14.1
West - Total Receipts	16,152	17,195	1,323	1,284	1,226	1,294	16,490	-6.8
- Total Consumpt	16,139	16,349	1,326	1,311	1,289	1,344	16,958	-3.8
- Residues *	10,401	11,042	902	866	820	851	10,306	-7.5
- Inventories	1,117	1,730	1,577	1,674	1,638	1,531	1,531	8.0

* - Consumption of Residues in cords equivalent

SOURCE: American Pulpwood Association

UNITED STATES TRADE WITH CANADA		IMPORTS FROM CANADA * YEAR 1989 Tons	YEAR 1989 ($000)	JUNE 1990 Tons	JUNE 1990 ($000)	JULY 1990 Tons	JULY 1990 ($000)	ANNUAL RATE Y-T-D 1990 Tons	% CHANGE FROM SAME PD LAST YEAR
Pulpwood, Roundwood (in cubic meters)		211,091	4,582	0	0	0	0	0	-100.0
Pulpwood chips		792,166	27,339	44,458	1,475	67,523	2,188	715,296	-16.8
Wood Pulp, Total	A	4,363,343	2,599,247	329,457	197,872	391,545	207,889	4,492,536	5.3
Waste Fibrous Materials, Total		164,217	31,659	10,248	2,460	9,177	1,994	142,463	-18.2
Paper, Board & Products, Total	A	10,986,831	6,104,181	952,031	537,878	937,071	537,879	11,432,256	7.0
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	A	10,807,659	5,782,419	939,225	508,913	926,132	511,360	11,261,336	7.5
Paper, Paperboard & Products	A	10,830,545	6,065,486	941,428	534,979	927,846	535,379	11,318,248	7.6
Paper & Paperboard, Only	A	10,661,373	5,743,703	926,822	507,014	916,910	508,850	11,167,324	8.1
Paper, Total	A	10,234,286	5,579,018	886,752	490,345	877,082	492,049	10,675,196	7.9
Newsprint	A	8,330,874	4,278,705	695,801	361,855	688,799	360,636	8,449,867	4.0
Printing, Writing & Rel. Pap.	A	1,579,696	1,069,293	157,798	105,298	159,988	110,027	1,976,550	26.0
Pack. & Ind. Conv. Paper		217,159	119,140	18,372	10,149	15,283	8,784	207,899	1.4
Special Industrial Paper		49,045	60,344	5,465	6,001	4,617	5,836	62,148	57.4
Tissue Paper		57,481	51,557	8,315	7,245	8,405	7,567	78,602	42.4
Paperboard, Total		417,117	164,885	42,870	16,699	39,848	15,801	492,128	20.1
Convtd Paper&Paperbd Products		179,172	321,782	12,806	27,966	10,939	26,529	150,822	-21.5
Wet Machine Board		293	245	79	54	57	53	820	177.9
Construction Paper & Board		155,990	38,472	10,533	2,845	9,185	2,447	113,091	-31.0

NOTE: A - API shifted import data from January 1989 to December 1988 to compensate for misallocation of reported data.

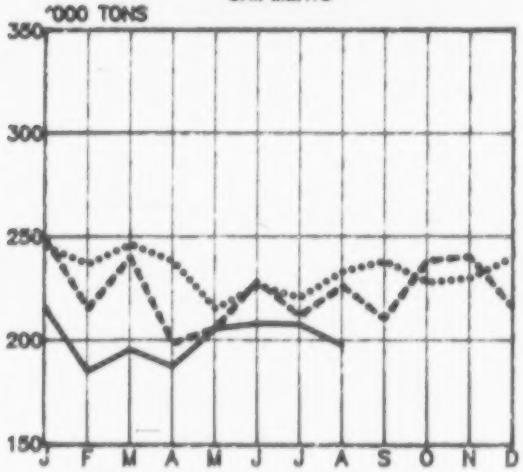
NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

	EXPORTS TO CANADA *							
Pulpwood, Roundwood (in cubic meters)	62,892	1,120	61,674	2,066	132,013	3,362	627,727	1328.0
Pulpwood chips	28,218	1,241	19,893	929	6,871	326	174,274	565.6
Wood Pulp, Total	352,896	141,272	29,776	14,705	33,182	17,726	377,700	22.2
Cotton Pulp & Other Pulp	6,215	4,249	482	451	562	504	4,764	-26.1
Waste Paper	264,379	38,555	66,786	11,711	63,667	11,276	867,711	114.3
Paper, Board & Products, Total	1,083,228	783,613	106,996	115,966	99,162	106,233	1,193,295	19.1
Paper, Paperboard, Wet Machine Bd. & Constr. Paper & Bd.	754,575	497,470	78,709	69,963	72,639	64,945	894,894	39.5
Paper, Paperboard & Products	1,092,580	755,810	106,664	115,736	99,000	106,110	1,191,154	21.2
Paper & Paperboard, Only	733,907	469,666	78,366	69,725	72,677	64,822	892,564	31.8
Paper, Total	371,298	340,312	40,811	47,481	41,823	47,164	513,264	49.8
Newsprint	8,316	5,881	1,211	872	1,412	780	18,710	160.2
Printing, Writing & Rel. Pap.	228,021	222,055	30,239	34,660	30,806	34,743	375,155	76.4
Pack. & Ind. Conv. Paper	66,390	29,624	4,043	2,730	4,317	2,978	49,008	-6.5
Special Industrial Paper	62,645	72,955	4,248	8,191	3,949	7,432	57,268	-11.5
Tissue Paper	6,834	9,787	1,070	1,226	1,140	1,222	13,168	101.9
Paperboard, Total	362,701	149,358	37,647	22,244	31,064	17,686	379,270	13.5
Convtd Paper&Paperbd Products	326,653	266,143	26,266	46,013	26,324	41,266	266,801	-2.4
Wet Machine Board	1,626	660	0	0	0	0	0	-100.0
Construction Paper & Board	19,040	7,143	311	226	182	123	2,140	-67.2

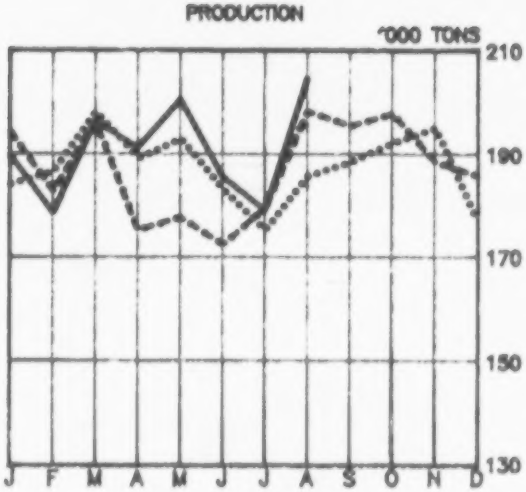
SOURCE: Bureau of Census, Department of Commerce .

E - Estimate of tonnage based on square foot data

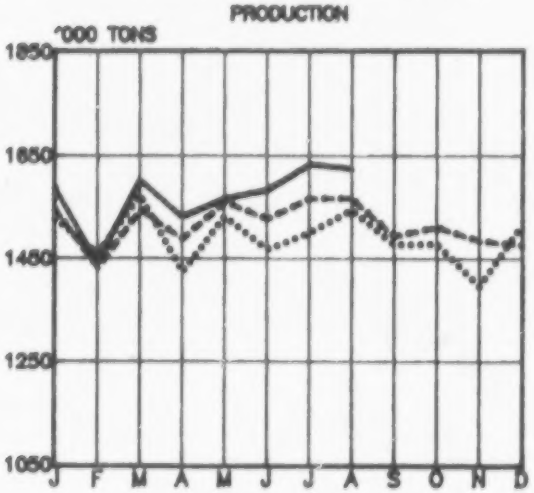
UNBLEACHED KRAFT PACKAGING AND INDUSTRIAL CONVERTING PAPER SHIPMENTS



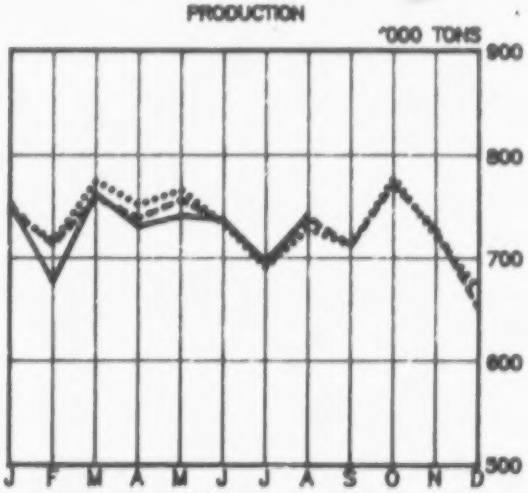
OTHER PAPER PRODUCTION



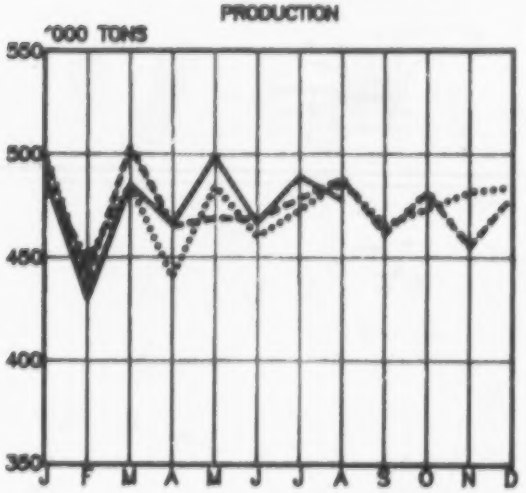
UNBLEACHED KRAFT LINERBOARD PRODUCTION



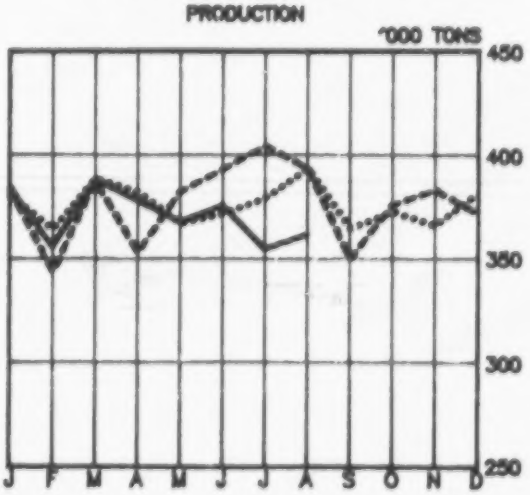
RECYCLED PAPERBOARD PRODUCTION



SEMICHEMICAL PAPERBOARD PRODUCTION



SOLID BLEACHED PAPERBOARD PRODUCTION



1988 ..... 1989 ------1990 ——

PULP, PAPER AND PAPERBOARD IMPORTS		YEAR 1989		JUNE 1990		JULY 1990		Annual Rate YTD 1990 Tons (1)	% Change from same Period Last Year
		Tons	$000	Tons	$000	Tons	$000		
Pulpwood Roundwood (cubic meters)		211,061	4,562	0	0	0	0	0	-100.0
Pulpwood Chips		805,361	27,788	44,566	1,484	67,545	2,194	716,120	-16.8
Total All Imports	A	16,266,809	11,352,263	1,494,992	935,921	1,575,460	986,994	18,562,589	3.3
Wood Pulp Total	A	5,005,100	2,960,842	383,722	216,192	469,850	262,621	5,046,995	2.4
Waste Paper		172,575	33,197	9,417	1,943	9,129	1,753	133,138	-30.2
Other Fibrous Materials		11,254	8,518	1,283	1,022	1,518	1,016	15,166	4.3
Paper Board & Products Total	A	13,089,931	8,329,906	1,120,560	716,784	1,094,963	711,704	13,364,703	4.1
Paper Paperboard Wet Machine Bd. & Construction Paper & Board	A	12,537,474	7,231,948	1,088,425	634,652	1,060,715	626,566	12,941,473	5.8
Paper Ppbd & Prds ex Cnst&WMB	A	12,910,206	8,279,503	1,108,746	713,185	1,084,384	706,403	13,236,736	4.8
Paper & Paperboard Only	A	12,347,748	7,181,244	1,074,579	631,073	1,050,136	625,287	12,813,506	6.6
Paper Total	A	11,814,263	6,900,706	1,021,837	606,728	1,003,718	603,344	12,226,462	6.4
Newsprint	A	6,553,401	4,379,613	709,962	367,661	704,548	366,352	8,453,111	3.6
Printing & Writing	A	2,732,979	1,998,141	262,504	190,003	252,744	186,972	3,024,145	13.7
Uncoated Groundwood		1,304,114	817,785	108,171	67,580	105,287	67,831	1,299,537	1.1
Coated Print & Impreg. Pap	A	774,022	632,484	87,745	69,435	82,681	66,436	952,805	29.9
Uncoated Free Sheet	A	583,077	482,404	59,742	45,093	56,957	43,565	893,698	22.0
Thin (except Cigarette)		12,711	15,209	963	1,006	578	743	10,382	-16.4
Bristols		59,052	66,267	6,184	6,991	7,241	6,398	67,723	14.1
Total Pkg & Other Paper		407,087	414,353	37,558	38,383	34,915	37,596	430,142	14.6
Unbleached Kraft Paper		239,303	116,011	22,634	10,958	19,240	8,907	234,056	4.3
Other Pkg. & Indust. Paper		167,785	298,342	14,921	27,408	15,676	28,068	196,087	30.1
Tissue		120,797	110,891	11,816	10,380	11,512	10,425	119,064	3.1
Paperboard, Total		533,488	280,448	52,742	24,345	46,418	21,943	587,043	9.8
Test or Containerboard		85,048	34,401	10,980	4,772	9,194	3,916	127,509	50.2
Semi-Chemical Corrugating		118,178	36,462	8,813	2,507	6,142	1,715	106,285	-18.7
Other Paperboard		330,262	209,584	33,149	17,066	32,282	16,060	533,250	9.2
Convtd Paper&Paperbd Products		562,457	1,098,259	34,167	82,112	34,248	83,116	423,230	-30.1
Paper Products, Total		470,471	924,729	24,837	66,447	25,658	66,991	318,833	-37.0
Paperboard Products, Total		91,986	173,529	9,330	16,666	8,590	16,126	103,408	0.3
Wet machine Board		806	580	100	78	72	71	1,192	104.8
Construction Paper & Board E		189,119	49,824	11,746	3,501	10,507	3,230	129,776	-36.5
Notes									
Other: No Weight Avail. ($000)			136,824		11,760		14,413	127,395	-2.0
Total Imports Incl. Other($000)			11,488,886		947,681		961,408	11,812,986	3.2

NOTE: A – API shifted import data from January 1989 to December 1989 to compensate for misallocation of reported data.

NOTE: 1990 EXPORT DATA NOT FULLY COMPARABLE WITH 1989'S.

PULP, PAPER AND PAPERBOARD EXPORTS	YEAR 1989		JUNE 1990		JULY 1990		Annual Rate YTD 1990 Tons (1)	% Change from same Period Last Year
	Tons	$000	Tons	$000	Tons	$000		
Pulpwood, Roundwood (cubic meters)	137,617	3,475	94,454	2,787	141,079	3,489	731,379	454.8
Pulpwood Chips	4,357,811	366,154	439,257	30,474	399,523	33,598	4,342,806	-2.1
Total All Exports	18,633,806	9,803,945	1,807,398	792,782	1,909,817	713,368	20,180,831	8.8
Wood Pulp,Total	6,231,172	3,512,804	680,237	296,483	476,606	240,041	5,882,584	-8.0
Cotton Pulp and Other Pulp	122,045	108,510	27,478	16,827	13,841	9,648	141,415	17.7
Waste and Old Paper	5,980,620	729,797	744,984	87,700	880,481	58,966	7,362,556	19.8
Paper, Board & Products,Total	6,299,768	4,261,035	674,089	413,272	544,930	404,610	6,794,072	8.3
Paper,Paperboard,Wet Machine Bd. & Construction Paper & Board	5,259,733	2,982,686	486,997	283,307	462,190	274,420	5,787,148	10.5
Paper, Ppbd & Prod ex Cnst&WMB	6,263,491	4,248,277	673,951	412,781	544,063	404,379	6,785,234	8.8
Paper & Paperboard, Only	5,223,456	2,967,928	486,860	282,816	461,533	273,989	5,758,311	11.1
Paper, Total	1,466,752	1,233,527	113,309	110,439	107,982	107,303	1,472,129	-0.3
Newsprint	624,796	357,381	32,844	17,095	35,438	18,409	503,599	-21.1
Printing & Writing	478,201	485,166	54,307	58,141	48,767	54,980	663,712	41.4
Uncoated Groundwood	88,056	84,766	8,615	5,360	5,079	4,335	73,198	-20.7
Clay Coated Paper	168,538	131,418	18,968	18,797	15,718	16,062	212,483	30.4
Uncoated Free Sheet	122,346	168,830	17,792	24,054	18,554	24,553	233,441	114.0
Other Printing & Writing	99,260	102,154	10,912	10,931	9,411	10,029	144,879	37.8
Total Pkg. & Other Paper	342,041	380,790	24,307	32,038	21,571	31,209	273,690	-21.0
Unbleached Kraft	125,818	90,318	10,568	4,987	8,165	4,454	110,882	-5.2
Other Pkg. & Indust. Paper	216,223	329,472	13,739	27,051	13,406	26,756	163,007	-29.1
Tissue	20,712	30,187	1,851	2,166	2,187	2,704	30,928	38.1
Paperboard, Total	3,757,704	1,734,402	575,561	172,377	353,571	166,686	4,266,182	15.7
Solid Wood Pulp	3,572,758	1,646,152	347,254	158,564	334,661	156,844	4,036,904	14.6
Total Linerboard	2,499,718	935,364	263,564	97,938	244,240	90,894	2,999,229	19.7
Bleached Kraft Linerboard	283,113	127,787	18,907	7,857	17,770	8,060	278,708	8.9
Unbleached Kraft Linerbd	2,216,603	807,578	245,057	90,081	226,470	81,915	2,667,519	20.9
Other Unbleached Kraft	246,575	113,315	21,343	12,071	19,200	11,022	267,455	8.9
Other Bleached Kraft	795,305	562,979	67,166	48,849	54,912	52,707	757,307	-2.0
Semi-Chemical Corrugating	31,162	14,494	5,182	1,826	6,509	2,221	45,914	71.3
Recycled Paperboard	184,947	88,250	23,397	13,883	18,711	9,842	249,278	36.6
Convtd Paper&Paperbd Products	1,040,935	1,278,349	84,891	129,964	82,530	130,390	1,026,923	-2.8
Paper Products, Total	473,435	832,808	34,978	81,640	36,327	86,619	419,180	-13.5
Paperboard Products, Total	566,801	445,543	50,013	48,325	46,203	43,570	607,742	6.7
Wet Machine Board	2,889	1,258	48	18	0	0	629	-82.9
Construction Paper & Board E	33,388	13,501	790	473	567	431	8,268	-74.5
Notes								
Other: No Weight Avail. ($000)		23,865		4,448		5,975	44,299	111.5
Total Exports Incl. Other($000)		8,827,811		797,230		719,383	9,156,835	5.0

SOURCE: Bureau of Census, U.S. Department of Commerce. E – Incl. estim. of tonnage based on square foot data.

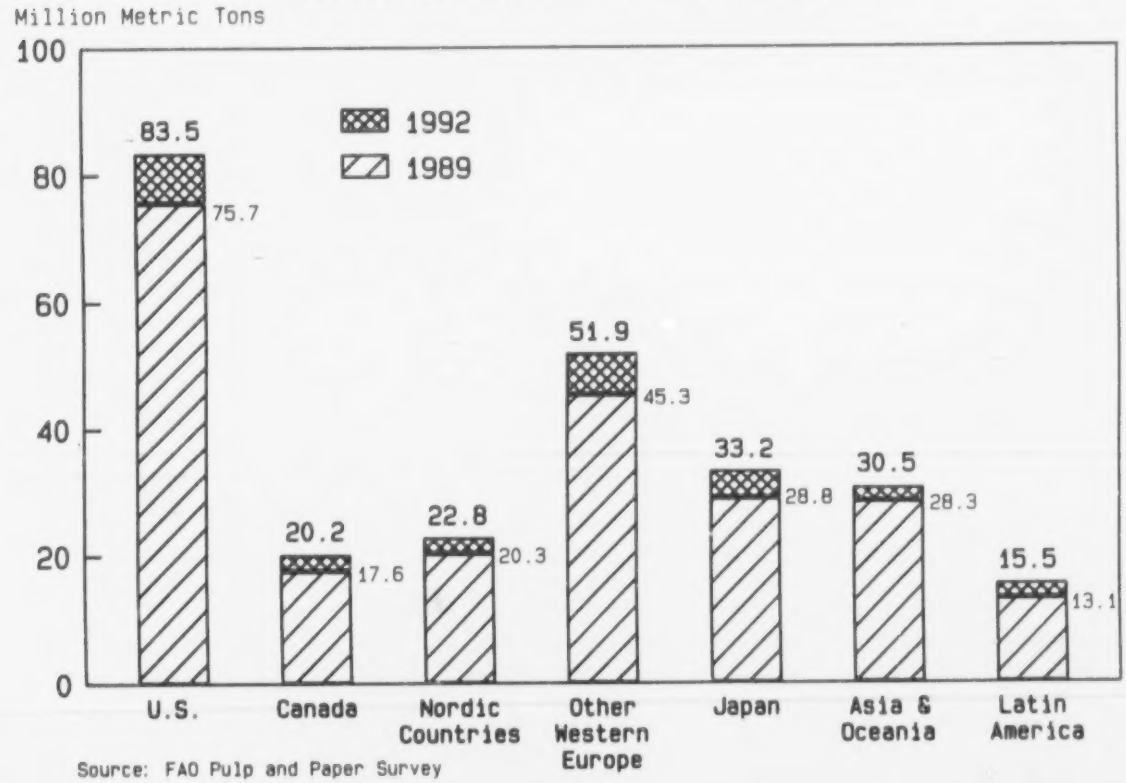
(1) Annual Rate Year-To-Date is in tons unless otherwise specified in item description.

PRODUCER PRICE INDEXES 1982 = 100	YEAR 1988	YEAR 1989	MAY 1990	JUNE 1990	JULY 1990	AUGUST 1990	Annual Rate Y-T-D 1990	% Change from same Period Last Year
Pulp, Paper and Products except Building Grades	124.8	132.4	132.9	132.8	132.6	132.4	133.0	0.8
Pulp Paper & Products, ex. Building Grades & ex. Waste Paper *	123.8	132.0	132.8	132.7	132.6	132.4	132.8	1.0
Total Wood Pulp	136.7	157.4	152.8	152.0	151.1	150.6	155.0	-0.7
Total Paper	123.2	129.6	127.9	128.8	129.1	129.1	128.2	-1.5
Writing Paper, exc. Newsprint	123.4	130.5	128.5	128.9	129.3	129.2	128.5	-2.1
Newsprint	127.6	122.5	115.0	121.0	121.6	121.9	117.9	-5.0
Total Paperboard	133.2	140.1	135.8	135.4	134.9	133.3	136.8	-2.5
Total Paper and Paperboard *	126.4	132.9	130.4	130.9	130.9	130.4	130.9	-1.8
Converted Products	123.0	131.7	135.4	135.0	134.9	135.2	135.0	3.3
Waste Paper	183.6	157.1	141.0	135.9	133.3	129.6	142.1	-10.0
All Commodities	106.9	112.2	114.5	114.2	114.3	116.5	114.6	2.4
Industrial Commodities	106.3	111.6	113.3	113.1	113.2	115.9	113.7	2.2

SOURCE: Producer Price Indexes: Bureau of Labor Statistics, U.S. Department of Labor * Computed by API

PAPER AND PAPERBOARD CAPACITY

(Selected Regions of the World)



Source: FAO Pulp and Paper Survey

WORLD PAPER AND PAPERBOARD CAPACITY OUTLOOK

World capacity to produce paper and paperboard is slated to increase by 30.2 million metric tons from 1989 levels to reach 281.2 million tons in 1992, according to this year's Food and Agricultural Organization (FAO) capacity survey. (See chart on page 10.) The anticipated growth in world paper and paperboard capacity averages 3.9% a year for the 1989-92 period, versus 3.3% during 1985-89 and 2.7% during 1980-89. The survey, which is based on data provided to the FAO by national pulp and paper trade associations, governments, and FAO regional offices, measures industry plans and expectations as of mid-1989.

The 1989 world totals represent an annual average growth of 2.7% over the decade of the 1980's (see table on page 12). U.S. producers installed 13 million tons of new capacity, by far the largest tonnage gain of any other country. In percentage terms, major increases were reported in the rapidly-developing paper industries outside the traditional supply regions of North America and Western Europe.

The following discussion is based on an analysis of the FAO survey prepared by API's International Department.

Regional capacity expansions from 1989 to 1992 will be especially rapid in Latin America (5.9% a year), Japan (4.9%), Canada (4.8%), and Western Europe (4.4%). Brazil will account for most of Latin America's capacity expansion. U.S. paper and paperboard capacity is projected to grow 3.3% a year from 1989 to 1992, for a three year gain of 7.9 million metric tons, equal to 26% of anticipated worldwide capacity expansions for the period.

World capacity to produce printing-writing papers is expected to increase at an average rate of 4.9% a year from 1989 to 1992. That's the highest growth rate of any major grades, but is shy of the 5.6% average annual pace recorded from 1985 through 1989.

U.S. producers plan a 3.6% a year increase, compared to their 4.0% a year gain in the previous 4 years. Canadian printing-writing paper capacity is slated to grow 9.4% a year from 1989 through 1992, with uncoated free sheet paper making the largest contribution to the overall gain of 1.1 million metric tons. In Latin America, printing-writing paper capacity is projected to grow 8.8% a year, or 0.8 million metric tons, between 1989 and 1991, with much of the increase taking place in Brazil. The Nordic countries will expand their printing-writing paper capacity by 1.5 million tons -- 6.6% a year -- through 1992.

Newsprint capacity will grow 4.7% a year on a worldwide basis for an overall tonnage gain of 5.1 million metric tons through 1992. North American newsprint capacity growth is projected at 3.7% a year; Western Europe and Latin America about 12% a year. Latin

America's increase will primarily reflect a new newsprint mill in Venezuela and a new machine in Brazil.

World linerboard capacity growth is projected at 3.8% a year (1989-92), versus 4.5% during the previous four years. U.S. growth is projected at 4.5% and Canadian growth at 5.8% a year. The U.S. industry expects to add 740,000 metric tons of recycled linerboard capacity by the end of 1992, nearly tripling the present level. Kraftliner will comprise most of the 240,000 tons of capacity scheduled to be added in Canada.

The FAO survey also indicates that tissue paper capacity will increase at a 3.4% average annual rate (1989-92), with Western European growth projected at 3.1% and Canadian growth at 9.5%. The growth rate for folding boxboard is projected at 3.3%, versus a 2.9% average annual pace in the 1985-89 period.

WORLD PAPER AND PAPERBOARD CAPACITIES BY MAJOR AREA
(000 metric tons)

	1980	1989	Average Annual Growth 1980-89	1992	Average Annual Growth 1989-92
United States	62,485	75,659	2.1%	83,511	3.3%
Canada	14,682	17,581	2.0	20,225	4.8
Nordic Countries	15,260	20,315	3.2	22,790	3.9
Other Western Europe	36,518	45,286	2.4	51,897	4.6
Japan	21,602	28,847	3.3	33,260	4.9
Asia & Oceania*	19,320	28,274	4.3	30,466	2.5
Latin America	9,290	13,055	3.9	15,511	5.9
Africa	747	3,274	17.8	3,564	2.9
USSR/Eastern Europe	18,091	18,700	0.4	20,008	2.3
TOTAL WORLD	**197,995**	**250,991**	**2.7**	**281,232**	**3.9**

*Excludes Taiwan
Source: Pulp and Paper Capacities 1989-1994, FAO; US data from API

Technical note: API has recently received new data from the Canadian Pulp and Paper Association on shipments of groundwood market pulp to the United States, which resulted in a major revision in the data on market imports of these grades. API uses Canadian data on shipments of market wood pulp to the United in its estimates of total market wood pulp imports.

The new CPPA data show 1988 and 1989 totals, and monthly data starting in December 1989. API estimated monthly data for the other 1989 months and all of 1988 on the basis of the new yearly totals and the earlier reported totals of monthly shipments of groundwood market pulp to the United States from Canada (see table on page 5).

MONTHLY STATISTICAL SUMMARY INSERT
VOL. 68, NO. 9
SEPTEMBER, 1990

PRODUCTION (000 TONS)

	(P) AUG 1990	(R) JULY 1990	AUG 1989	FIRST 8 MONTHS 1990	FIRST 8 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
PAPER GRADES						
Newsprint	577	560	510	4,368	3,998	9.0
Printing & Writing	1,922	1,852	1,897	14,804	14,384	2.9
Uncoated Groundwood (s)	152	150	151	1,167	1,153	1.5
Coated Groundwood (s)	372	358	357	2,771	2,656	4.5
Coated Free Sheet (s)	289	268	298	2,149	2,088	2.6
Total Coated Paper (s)	661	625	654	4,919	4,744	3.7
Uncoated Free Sheet Paper (s)	975	946	956	7,665	7,418	3.3
Thin Paper (s)	19	18	21	153	169	-11.5
Cotton Fiber Paper (s)	13	12	13	110	109	0.8
Bleached Bristols (s)	103	101	102	789	791	-0.2
Tissue Paper	501	482	484	3,847	3,741	2.4
Total Pkg & Other Paper	402	387	425	3,127	3,252	-3.7
Unbl. Kraft Paper (s)	198	208	227	1,602	1,776	-9.4
Other Paper	205	179	198	1,525	1,476	3.1
TOTAL PAPER	3,402	3,281	3,316	26,146	25,375	3.0
PAPERBOARD GRADES						
Unbleached Kraft Paperboard	1,722	1,736	1,697	13,388	13,132	1.9
Unbleached Kraft Linerboard	1,624	1,633	1,568	12,573	12,232	2.8
Other Unbl. Kraft Paperboard	98	104	129	815	900	-9.5
Semichemical Paperboard	362	489	488	3,688	3,813	-3.3
Bleached Paperboard	478	355	394	3,082	3,040	1.4
Recycled Paperboard	744	697	740	5,844	5,890	-0.8
TOTAL PAPERBOARD	3,306	3,277	3,319	26,002	25,876	0.5
TOTAL PAPER AND PAPERBOARD	6,708	6,559	6,635	52,149	51,250	1.7

WOOD PULP (ALL GRADES)	JULY 1990	JUNE 1990	JULY 1989	FIRST 7 MONTHS 1990	FIRST 7 MONTHS 1989	% CHANGE YR TO DATE 1990/1989
Dissolving & Special Alpha	107	114	144	757	830	-5.1
Bleached Sulfite)	130	136	131	924	918	0.8
Unbleached Sulfite)						
Bleached & Semi-Bl. Sulfate	2,424	2,237	2,352	16,014	15,879	0.5
Unbleached Sulfate	1,902	1,829	1,894	12,842	12,700	1.2
Semichemical	371	341	368	2,575	2,556	0.8
Groundwood & Thermomechanical	555	519	510	3,702	3,454	6.9
TOTAL PULP DIVISION DATA	5,490	5,175	5,399	36,814	36,337	1.2

(s) - Shipments
P - Preliminary
R - Revised

AMERICAN PAPER INSTITUTE, INC.
260 Madison Avenue
New York, New York 10016

INDUSTRY DATA — September 30, 1990	1988	1989	1990	1990 R	1990 P	AN RATE Y-T-D 90	% CH/ SAME PD 89
PAPER AND PAPERBOARD — Tons (000)			JUNE	JULY	AUGUST		
Total Production (API)..... : excluding :	76,469	78,713	6,440	6,558	6,706	78,223	1.8
Total Seasonally Adjusted..... : construction :			6,463	6,628	6,476	77,358	1.8
Imports (including Products)..... : and wet : E	12,786	12,910	1,109	1,084	1,080	13,217	2.8
Exports (including Products)..... : machine : E	5,559	6,264	574	544	560	6,777	7.6
Apparent Consumption..... : grades :	83,697	83,359	7,018	7,168	7,006	84,663	1.8
Paper Production % Tonnage Capacity	98.4	92.6	91.1	91.1	90.1	92.6	-
Paperboard Production % Tonnage Capacity	94.9	93.5	94.3	91.4	91.2	92.9	-
PAPER, PAPERBOARD AND PRODUCTS			MAY	JUNE	JULY		
Imports.....:Including Construction and :	13,110	13,101	1,111	1,121	1,095	13,365	4.1
Exports..... : WMB Grades (excl. HPB) :	5,691	6,300	548	575	545	6,794	8.3
MARKET WOOD PULP PRODUCTION – Tons (000)	8,585	8,664	698	784	769	8,726	-1.6
TOTAL WOOD PULP PRODUCTION – Tons (000)	91,161 f	91,998 f	5,156	5,175	5,480	93,110	1.3
WOOD PULP IMPORTS – TONS (000)	5,038	5,005	428	394	470	5,090	2.6
WOOD PULP EXPORTS – TONS (000)	5,529	6,231	443	580	471	5,993	-5.6
RAW MATERIALS CONSUMPTION – Tons (000)							
PAPER AND BOARD MILLS.....: excluding :			MAY	JUNE	JULY		
Wood Pulp..... : consumption for :	60,294	60,737	5,110	4,925	5,366	61,733	1.8
Waste Paper..... : construction & :	19,021	20,010	1,800	1,790	1,752	21,048	6.1
TOTAL..... : WMB grades :	79,315	80,737	6,910	6,723	7,118	82,780	2.7
PULPWOOD CONSUMPTION Cords (000) Amer. Pulpwd. Assn	95,467	98,414	8,113	8,042	8,467	99,230	0.8
EMPLOYMENT (000)			JUNE	JULY	AUGUST		
Paper and Allied Products.....Total	662.6	667.1	705.7	704.6	705.8	698.7	0.3
Pulp, Paper and Board Mills.....Total.....E	347.2	347.1	251.1	N.A.	N.A.	N.A.	N.A.
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS ($)			JUNE	JULY	AUGUST		
Paper and Allied Products	11.66	11.96	12.36	12.29	12.39	12.23	2.7
Pulp, Paper Mills.....E	14.31	14.71	15.06	N.A.	N.A.	N.A.	N.A.
Paperboard Mills.....E	14.49	14.78	14.97	15.06	15.18	15.06	3.1
CAPITAL EXPENDITURES, PAPER & ALLIED PRODUCTS			1989 Q4	1990 Q1	1990 Q2		
(Repl. by US Dept. of Com., Ann. Rates, Bil.$)*	10.92	15.58	17.44	17.56	18.59	17.36	11.4
INDEX OF OUTPUT PER MAN–HOUR (1977=100)			JUNE	JULY	AUGUST		
:IN PULP, PAPER :....Production Workers	146.0	146.7	146.9	N.A.	N.A.	N.A.	N.A.
:AND BOARD MILLS:....All Employees	142.8	143.5	144.1	N.A.	N.A.	N.A.	N.A.
PAPER AND ALLIED PRODUCTS ($ Million $)			MAY	JUNE	JULY		
Industry Shipments (Dept. of Commerce)*	127,218	130,501	10,988	11,129	11,088	130,758	0.1
Pulp, Paper and Paperboard*	57,177	57,706	4,704	4,729	4,777	55,908	-4.5
Inventories (End of Period) – Total Industry*	12,088	12,571	12,773	12,842	12,758	12,842	2.5
Pulp, Paper and Paperboard*	4,326	4,980	5,101	5,182	5,208	5,182	7.9
PAPER AND ALLIED PRODUCTS COMPANIES ($ Million $)			1989 Q4	1990 Q1	1990 Q2		
Sales (Corporations Only)	107,221	113,573	28,881	28,534	28,844	114,756	1.6
Earnings (Corporations Only)	8,081	7,047	1,160	1,389	1,630	6,038	-24.8
Depreciation (Corporations Only)	4,625	5,010	1,301	1,347	1,341	5,378	9.8
Net Worth (Corporations Only)	42,940	45,642	45,642	48,519	45,597	45,597	1.4
PRICE INDEXES (Bureau of Labor Stats)(1982=100			JUNE	JULY	AUGUST		
Pulp, Paper & Products, ex. Building Grades	134.8	132.4	132.7	132.6	132.4	133.0	0.8
Wood Pulp	136.7	157.4	152.0	151.1	150.6	154.6	-0.8
Waste Paper	183.6	157.1	135.9	133.3	129.6	142.0	-10.1
Paper	123.2	129.6	128.8	129.1	129.1	128.2	-1.5
Paperboard	133.2	140.1	135.4	134.9	133.3	136.7	-2.5
PAPER DEMAND (INDEXED: 1987=100)			JUNE	JULY	AUGUST		
Total Paper Production *	103.9	103.6	104.9	108.5	107.2	108.5	3.1
Paper New Supply *	103.8	102.3	104.2	107.5	105.8	105.3	3.3
Demand Indicators – (Weighted Average) *	103.8	107.8	110.4	110.7	110.7	110.3	2.8
Production of Nondurable Goods.....*....(21.2%)	103.6	108.4	107.6	108.1	108.1	107.7	1.5
Disposable Income.....*....(23.9%)	104.4	107.2	108.8	109.1	109.1	108.7	1.9
Total Printing and Publishing.....*....(34.9%)	103.6	108.6	112.2	112.4	112.4	112.0	3.6
PAPERBOARD DEMAND (INDEXED: 1987=100)			JUNE	JULY	AUGUST		
Total Paperboard Production *	101.7	102.6	104.4	104.5	101.9	103.2	0.5
Production for Domestic Use *	102.0	102.7	103.3	104.2	99.9	102.0	-0.9
Demand Indicators – (Weighted Average) *	104.7	107.2	108.7	108.5	108.5	107.9	0.8
Production of Consumer Goods.....*....(62.08%)	104.0	108.6	108.1	107.9	107.7	107.3	1.0
Production of Equipment.....*....(5.75%)	107.5	112.3	116.5	116.4	115.8	115.0	2.4
Production of Materials.....*....(32.19%)	105.6	107.4	108.5	109.0	108.6	107.7	0.2
MARKET DATA			MAY	JUNE	JULY		
Consumption by Publishers – Tons (000)	13,497	13,493	1,179	1,108	1,073	15,182	15.5
Newspaper Pub. and Printing Empl. Total(000)	476	473	477	480	479	477	1.1
Magazine Advertising Pages (FIB, Inc.)	172,580	179,796	15,302	14,050	10,178	163,925	-4.6
Wholesalers Sales and Inventories (Million $)			MAY	JUNE	JULY		
Total Paper & Pap. Prdcts.,ex Wallpaper..Sales	52,377	56,803	4,331	4,259	4,478	51,585	-6.0
Inventories (End of Period)	4,438	4,506	3,982	4,062	4,091	4,091	-12.0
FIBRE BOX DATA (Fibre Box Association)			JUNE	JULY	AUGUST		
Fibre Box Shipments (Million square feet)	306,507	313,400	26,292	26,447	26,055	319,845	1.3
Container'bd Inventory at Mill & Plant (000 Tons)	2,553	2,589	2,503	2,653	2,590	2,590	-2.8
RETAIL TRADE ($ Billion $)							
Total Retail Sales *	1,622	1,711	149.4	150.0	149.2	1,790	5.3
Nondurable Goods Stores Sales *	986	1,062	96.6	96.6	0.0	994	-5.5
GENERAL ECONOMIC DATA			JUNE	JULY	AUGUST		
TOTAL INDUSTRIAL PRODUCTION (INDEX 1987 = 100)*	105.4	106.1	110.0	110.0	109.8	108.1	1.0
PRODUCER PRICES (ALL COMMODITIES) (INDEX 1982=100)	106.9	112.2	114.2	114.3	116.5	114.6	2.5
CONSUMER PRICES (ALL ITEMS–URBAN CON.) (1982-4=100)	118.3	124.0	129.9	130.4	131.6	126.3	5.0
GROSS NATIONAL PRODUCT – ANNUAL RATE ($Billions$)			1989 QIV	1990 Q1	1990 Q2		
G.N.P. or Expenditure – Current $	4,874	5,201	5,299	5,375	5,452	5,414	5.4
G.N.P. or Expenditure – 1982 $	4,017	4,118	4,133	4,151	4,163	4,157	1.3
PAPER AND PAPERBOARD CONSUMPTION – POUNDS PER CAPITA	677	667				678	

f - Wood Pulp Prod exc del., expls & scr. R - Revised E - Last month estimated by API

Y - Full year estimated by Dep't of Commerce * Seasonally Adjusted